Samsung GALAXY S WIFI 5.0 **YP-G70**

user manual

SAMSUNG

Using this manual

Thank you for purchasing this Samsung YP-G70. This device will provide you with entertainment based on Samsung's exceptional technology and high standards.

This user manual has been specially designed to guide you through the functions and features of your device.

Read me first

- Please read all safety precautions and this manual carefully before using your device to ensure safe and proper use.
- The descriptions in this manual are based on the default settings of your device.
- Images and screenshots used in this user manual may differ in appearance from the actual product.
- Content in this user manual may differ from the product, or from software provided by service providers or carriers, and is subject to change without prior notice. Refer to www.samsung.com for the latest version of the user manual.
- Available features and additional services may vary by device, software, or service provider.
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Instructional icons

Before you start, familiarize yourself with the icons you will see in this manual:

Warning—situations that could cause injury to yourself or others

Caution—situations that could cause damage to your device or other equipment

Note—notes, usage tips, or additional information

► **Refer to**—pages with related information; for example: ► p.12 (represents "see page 12")

→ **Followed by**—the order of options or menus you must select to perform a step; for example: In Idle mode, open the application list and select **Settings** → **About device** (represents **Settings**, followed by **About device**)

[ ] **Square brackets**—device keys; for example: [ⓘ] (represents the Power/Lock key)

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ABOUT DIVX VIDEO

DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified® device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video.

DivX Certified® to play DivX® video up to HD 720p, including premium content.

ABOUT DIVX VIDEO-ON-DEMAND

This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

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Assembling

Unpack

Check your product box for the following items:

- Mobile device
- Travel adapter (charger)
- PC data cable
- Headset
- Quick start guide

Use only Samsung-approved software. Pirated or illegal software may cause damage or malfunctions that are not covered by your manufacturer's warranty.

- The items supplied with your device may vary depending on the software and accessories available in your region or offered by your service provider.
- You can purchase additional accessories from your local Samsung dealer.
- The supplied accessories perform best for your device.
- Accessories other than the supplied ones may not be compatible with your device.

Charge the battery

Before using the device for the first time, you must charge the battery.

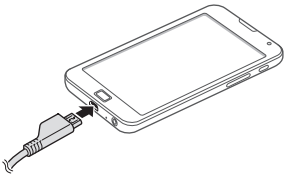
You can charge the device with the provided travel adapter or by connecting the device to a PC with a PC data cable.

Use only Samsung-approved chargers and cables. Unauthorized chargers or cables can cause batteries to explode or damage your device.

When your battery is low, a warning tone and a low battery pop-up message will appear. The battery icon will also be empty. If the battery level becomes too low, the device will automatically power off. Recharge your battery to continue using your device.

› Charge with the travel adapter

1 Plug the small end of the travel adapter into the multifunction jack.



Connecting the travel adapter improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.

2 Plug the large end of the travel adapter into a power outlet.

- You can use the device while it is charging, but it may take longer to fully charge the battery.
- While the device is charging, the touch screen may not function due to an unstable power supply. If this happens, unplug the travel adapter from the device.
- While charging, the device may heat up. This is normal and should not affect your device's lifespan or performance.
- If your device is not charging properly, bring your device and the charger to a Samsung Service Center.

3 When the battery is fully charged (the battery icon is no longer moving), unplug the travel adapter from the device and then from the power outlet.

To save energy, unplug the travel adapter when not in use. The travel adapter does not have a power switch, so you must unplug the travel adapter from the outlet to interrupt the power supply. The travel adapter should remain close to the socket when in use.

› Charge with the PC data cable

Before charging, ensure that your PC is turned on.

1 Plug one end (micro-USB) of the PC data cable into the multifunction jack.

2 Plug the other end of the PC data cable into a USB port on a PC.

Depending on the type of PC data cable you are using, it may take some time before charging begins.

3 When the battery is fully charged (the battery icon is no longer moving), unplug the PC data cable from the device and then from the PC.

Insert a memory card (optional)

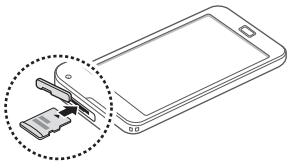
To store additional multimedia files, you must insert a memory card. Your device accepts microSD™ or microSDHC™ memory cards with maximum capacities of 32 GB (depending on memory card manufacturer and type).

Samsung uses approved industry standards for memory cards, but some brands may not be fully compatible with your device. Using an incompatible memory card may damage your device and the memory card. It can also corrupt data stored on the card.

- Your device supports only the FAT file structure for memory cards. If you insert a card formatted with a different file structure, your device will ask you to reformat the memory card.
- Frequent writing and erasing of data will shorten the lifespan of memory cards.
- When you insert a memory card in your device, the file directory of the memory card will appear in the mnt/sdcard/external_sd folder.

1 Open the cover of the memory card slot on the top of the device.

2 Insert a memory card with the gold-colored contacts facing down.



3 Push the memory card in the memory card slot until it locks in place.

4 Close the memory card cover.

› Remove the memory card

Before removing a memory card, first unmount it for safe removal.

1 In Idle mode, select **Applications** → **Settings** → **SD card and device storage** → **Unmount SD card**.

2 Open the cover of the memory card slot on the top of the device.

3 Push the memory card gently until it disengages from the device.

4 Pull the memory card out of the memory card slot.

5 Remove the memory card.

6 Close the memory card cover.

Do not remove a memory card while the device is transferring or accessing information, as this could result in loss of data or damage to the memory card or device.

› Format the memory card

Formatting your memory card on a PC may cause incompatibilities with your device. Format the memory card only on the device.

In Idle mode, select **Applications** → **Settings** → **SD card and device storage** → **Unmount SD card** → **Format SD Card** → **Format SD card** → **Erase everything**.

Before formatting the memory card, remember to make backup copies of all important data stored on your device. The manufacturer's warranty does not cover loss of data resulting from user actions.

Getting started

Turn your device on and off

To turn on your device,

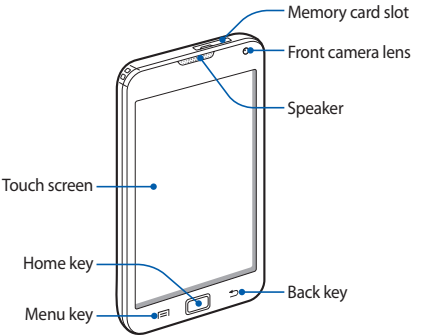
1. Press and hold [⏻].
2. If you turn on your device for the first time, follow the on-screen instructions to set up your device.

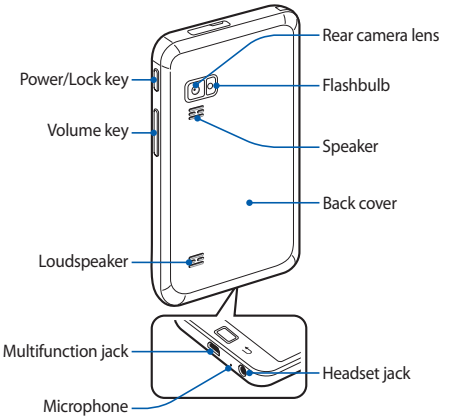
To turn off your device, press and hold [⏻] and select **Power off**.

- Follow all posted warnings and instructions from authorized personnel in areas where the use of wireless devices is restricted, such as airplanes and hospitals.
- To use your device's non-network services only, switch to Flight mode. Press and hold [⏻] and select **Flight mode**.

Get to know your device

› Device layout





Keys

Key		Function
	Power/ Lock	Turn on the device (press and hold); Access the quick menus (press and hold); Lock the touch screen.
	Menu	Open a list of options available on the current screen; Open the quick search bar (press and hold).
	Home	Return to the idle screen; Open the list of recent applications (press and hold).
	Back	Return to the previous screen.
	Volume	Adjust the device's volume.

Indicator icons

Icons shown on the display may vary depending on your region or service provider.

Icon	Definition
	WLAN activated
	Bluetooth activated
	Bluetooth headset connected
	GPS activated
	Synchronized with the web
	Uploading data
	Downloading data
	Connected to PC
	New email message

Icon	Definition
	Alarm activated
	Event notification
	Silent mode activated
	Flight mode activated
	Vibration mode activated
	Music playback in progress
	Music playback paused
	FM radio turned on in the background
	Error occurred or caution required
	Battery power level
10:00	Current time

Use the touch screen

Your device's touch screen lets you easily select items or perform functions. Learn basic actions to use the touch screen.

- To avoid scratching the touch screen, do not use sharp tools.
- Do not allow the touch screen to come into contact with other electrical devices. Electrostatic discharges can cause the touch screen to malfunction.
- Do not allow the touch screen to come into contact with water. The touch screen may malfunction in humid conditions or when exposed to water.

- For optimal use of the touch screen, remove the screen protection film before using your device.
- Your touch screen has a layer that detects small electrical charges emitted by the human body. For best performance, tap the touch screen with your fingertip. The touch screen will not react to touches of sharp tools, such as a stylus or pen.

Control your touch screen with the following actions:

- Tap: Touch once with your finger to select or launch a menu, option, or application.
- Tap and hold: Tap an item and hold it for more than 2 seconds to open a pop-up option list.
- Drag: Tap and drag your finger up, down, left, or right to move to items on lists.
- Drag and drop: Tap and hold your finger on an item, and then drag your finger to move the item.
- Double-tap: Tap twice quickly with your finger to zoom in or out while viewing photos or web pages.

- Your device turns off the touch screen when you do not use the device for a specified period.
- You can adjust the backlight time. In Idle mode, open the application list and select **Settings** → **Display** → **Screen timeout**.

Lock or unlock the touch screen and keys

You can lock the touch screen and keys to prevent any unwanted device operations.

To lock, press [⏻]. To unlock, turn on the screen by pressing [⏻] or the Home key and then flick the gray window with your finger.

Get to know the idle screen

When the device is in Idle mode, you will see the idle screen. From the idle screen, you can view your device's status and access applications.

The idle screen has multiple panels. Scroll left or right to a panel of the idle screen.

› Add items to the idle screen

You can customize the idle screen by adding shortcuts to applications or items in applications, widgets, or folders. To add items to the idle screen,

1. Press [▭] → **Add** or tap and hold the empty area on the idle screen.
2. Select the item category → an item:
   - **Widgets**: Add widgets. Widgets are small applications that provide convenient functions and information on your idle screen.

- **Shortcuts**: Add shortcuts to items, such as applications, bookmarks, and contacts.
- **Folders**: Create a new folder or add folders for your contacts.
- **Wallpapers**: Set a background image.

› Move items on the idle screen

1. Tap and hold an item to move until the item appears gray.
2. Drag the item to the location you want.

› Remove items from the idle screen

1. Tap and hold an item to remove.
   The trash bin appears at the bottom of the idle screen.
2. Drag the item to the trash bin.
3. When the item turns red, release the item.

› Use the shortcuts panel

In Idle mode or while using an application, tap the indicator icons area and drag your finger down to open the shortcuts panel. You can activate or deactivate wireless connection features and access a list of notifications, such as new email messages, upcoming events, and processing status. To hide the list, drag the bottom of the list up.

From the shortcuts panel, you can use the following options:

- **Wi-Fi**: Activate or deactivate the WLAN connection feature. ► p. 75
- **Bluetooth**: Activate or deactivate the Bluetooth wireless connection feature. ► p. 73
- **GPS**: Activate or deactivate the GPS feature.
- **Sound**: Activate or deactivate Silent mode.
- **Auto rotation**: Activate or deactivate the auto rotation.

Available options may vary depending on your region or service provider.

› Add or remove panels to the idle screen

You can add or remove panels of the idle screen to organize widgets according to your preferences and needs.

1. In Idle mode, press [▭] → **Edit**.

   You can also place your two fingers on the screen and pinch to switch to Edit mode.
2. Add or remove panels by using the following features:
   - To remove a panel, tap and hold the thumbnail of a panel and drag it to the trash bin at the bottom of the screen.
   - To change the order of the panels, tap and hold the thumbnail of a panel and drag it to the location you want.
3. When you are finished, press [↩].

Access applications

To access your device's applications,

1. In Idle mode, select **Applications** to access the application list.
2. Scroll left or right to another application screen.
3. Select an application.

- When you use applications provided by Google, you must have a Google account. If you do not have a Google account, sign up for a Google account.
- You can add a shortcut to an application by tapping and holding the application icon from the application list. You can move the icon to the location you want on the idle screen.

4 Press [↩] to return to the previous screen; Press the Home key to return to the idle screen.

Your device has a built-in motion sensor that detects its orientation. If you rotate the device while using some features, the interface will automatically switch to landscape view. To set the interface to keep the orientation when you rotate the device, select **Settings** → **Display** → **Auto-rotate screen**.

› Organize applications

You can reorganize the applications in the application list by changing their order or grouping them into categories to suit your preferences and needs.

1 In the application list, press [▤] → **Edit**.

2 Tap and hold an application.

3 Drag the application icon to the location you want. You can move an application icon to another main menu screen.

4 Press [▤] → **Save**.

To change the order of the main menu screens,

1 In the application list, place your two fingers on the screen and pinch.

2 Tap and hold the thumbnail of a screen and drag it to the location you want.

› Access recent applications

1 Press and hold the Home key to open the list of applications you have accessed recently.

2 Select an application to access.

› Use the task manager

Your device is a multitasking device. It can run more than one application at the same time. However, multitasking may cause hang-ups, freezing, memory problems, or additional power consumption. To avoid these problems, end unnecessary programs using the task manager.

1. In Idle mode, open the application list and select **Task manager** → **Active applications**.
   The list of all the applications currently running on your device appears.
2. To close an application, select **Exit**.
   To close all active applications, select **Exit all**.

Customize your device

Get more from your device by customizing it to match your preferences.

› Set the current time and date

1. In Idle mode, open the application list and select **Settings** → **Date and time**.
2. Set the time and date and change other options.

› Turn on or off the touch tone

In Idle mode, open the application list and select **Settings** → **Sound** → **Audible selection**.

Adjust the volume of the device

Press the Volume key up or down to adjust the device volume.

Switch to Silent mode

To mute or unmute your device, do one of the following:

- Open the shortcuts panel from the top of the screen and select **Sound**.
- Press and hold [⏻] and select **Silent mode**.

You can set the device to alert you to various events in Silent mode. In Idle mode, open the application list and select **Settings** → **Sound** → **Vibrate** → **Always** or **Only in silent mode**. When you switch to Silent mode, will appear in place of .

Activate animation for switching windows

In Idle mode, open the application list and select **Settings** → **Display** → **Animation** → **Some animations** or **All animations**.

Select a wallpaper for the idle screen

1. In Idle mode, press [▤] → **Wallpaper** → an option.
2. Select an image.
3. Select **Save** or **Set wallpaper**.

Samsung is not responsible for any use of default images or wallpapers provided on your device.

Adjust the brightness of the display

1. In Idle mode, open the application list and select **Settings** → **Display** → **Brightness**.

2 Drag the slider to adjust the level of brightness.

3 Select **OK**.

The brightness level of the display will affect how quickly the device consumes battery power.

Set a screen lock

You can lock the touch screen with an unlock pattern or password to prevent unauthorized people from using the device without your permission.

- Once you set a screen lock, your device will require an unlock code each time you turn it on or unlock the touch screen.
- If you forget your pattern or password, bring your device to a Samsung Service Center to reset it.
- Samsung is not responsible for any loss of security codes or private information or other damages caused by illegal software.

Set an unlock pattern

1 In Idle mode, open the application list and select **Settings** → **Location and security** → **Set screen lock** → **Pattern**.

2 See the on-screen instructions and example patterns and select **Next** (if necessary).

3 Draw a pattern by dragging your finger to connect at least 4 dots.

4 Select **Continue**.

5 Draw the pattern again to confirm.

6 Select **Confirm**.

Set an unlock password

1 In Idle mode, open the application list and select **Settings** → **Location and security** → **Set screen lock** → **Password**.

2 Enter a new password (alphanumeric) and select **Continue**.

3 Enter the password again and select **OK**.

Enter text

You can enter text by selecting characters on the virtual keypad or by inputting handwriting on the screen.

You cannot enter text in some languages. To enter text, you should change the writing language to one of the supported languages. ► p. 96

› Change the keyboard type

You can change the keyboard type. Tap and hold the text input field and select **Input method** → a keyboard type (Samsung keypad or DipPen Chinese IME).

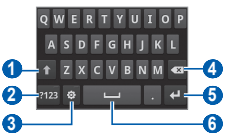
› Enter text using the Samsung keypad

1 Select ⚙ → a text input method.

You can select one of key input methods (QWERTY or 3x4 keypads) or handwriting input methods.

2 Enter text by selecting alphanumeric keys or writing on the screen.

You can also use the following keys:



Number	Function
1	Change case.
2	Switch between Number/Symbol mode and ABC mode.

Number	Function
3	Change the text input method; Access the keypad settings (tap and hold).
4	Clear your input.
5	Start a new line.
6	Insert a space; Insert a period (double-tap).

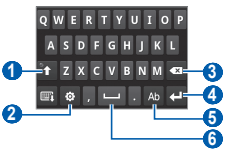
Enter text using the DioPen Chinese IME keyboard

1 Select and select a text input method.

Option	Function
Qwerty Keypad	Select characters on the QWERTY keyboard.
3x4 Keypad	Select characters on the 3x4 keypad.
Handwriting box	Write in the input box.

2 Enter text by selecting alphanumeric keys or writing on the screen.

You can also use the following keys:



Number	Function
1	Change case or switch to Caps lock mode (the dot turns green).
2	Change the text input method; Access the keyboard settings (tap and hold).
3	Clear your input.
4	Start a new line.
5	Switch to Pinyin, English, or Number/ Symbol mode; Available input modes vary depending on the selected text input method.
6	Insert a space.

- To hide the keyboard, select .
- In the handwriting mode, you can use the following gestures:

Function	Gesture
Space	(Chinese), (English)
Enter	
Backspace	

When entering text with the DioPen Chinese IME keyboard, you can use the following modes:

Mode	Function
Pinyin	1. Select appropriate virtual keys to enter pinyins or write pinyins. 2. Select a pinyin. 3. Scroll left or right until the character you want appears. 4. Select the character.

Mode	Function
Stroke	1. Select appropriate virtual keys to enter strokes or write strokes. 2. Select a stroke. 3. Scroll left or right until the character you want appears. 4. Select the character.
English	Select an appropriate virtual key to enter a character or write characters. When using the 3x4 keypad, select to activate the smart input feature (word completion and word combination).
Number	Select an appropriate virtual key to enter a number or write a number.
Symbol	1. If you are using the 3x4 keypad, select ◀ or ▶ to scroll to a symbol set you want. 2. Select an appropriate virtual key to enter a symbol or write a symbol.

If you have text input keyboards downloaded from the web, you can change the keypad type. Tap and hold the text input field and select **Input method** → a keypad type.

› Copy and paste text

While you are entering text, you can use the copy and paste feature to use text in other applications.

1. Place the cursor where you want to start.
2. Tap and hold the text input field.

3 Select **Select text** from the option list.

4 Tap on the place where you want to end.

5 Tap and hold the highlighted text.

6 Select **Copy** to copy, or **Cut** to cut the text onto the clipboard.

7 In another application, tap and hold the text input field.

8 Select **Paste** to insert the text from the clipboard into the text field.

Download applications from Android Market

Based on the Android platform, your device's functionality can be extended by installing additional applications. Android Market provides you an easy and quick way to shop for games and mobile applications.

- This feature may be unavailable depending on your region or service provider.
- Your device will save user files from downloaded applications to the internal memory.

› Install an application

1 In Idle mode, open the application list and select **Market**.

2 Select **Accept** when the terms and conditions appear.

3 Select an item category → an item.

4 Select **Install** (for free items) or **Buy**.

If you select **Install**, select **OK** to download the item immediately.

If you select **Buy**, you need to enter your credit card information. Follow the on-screen instructions.

› Uninstall an application

1 From the Android Market home screen, press [▤] → **Downloads**.

2 Select the item you want to delete.

3 Select **Uninstall** → **OK**.

Download files from the web

When you download files or web applications from the web, your device saves them in a memory card.

Files you download from the web can include viruses that will damage your device. To lessen your risk, only download files from sources you trust.

Some media files include Digital Rights Management to protect copyrights. This protection may prevent you from downloading, copying, modifying, or transferring some files.

To download files from the web,

1 In Idle mode, open the application list and select **Internet**.

2 Search for a file or application and download it.

To install applications downloaded from websites other than Android Market, you must select **Settings** → **Applications** → **Unknown sources**.

Synchronize data

You can synchronize data with various web servers and back up or restore your data.

Once the synchronization is completed, your device stays connected to the web. If any change is made on the web, the updated information will appear on your device and will automatically begin synchronization, and vice versa.

This feature may be unavailable depending on your region or service provider.

Set up a server account

1. In Idle mode, open the application list and select **Settings** → **Accounts and sync**.
2. Select **Add account** → an account type.
3. Follow the on-screen instructions to complete the account setup.

   For online community services, such as Facebook or MySpace, enter your user name and password and select **Log in**.

Activate automatic sync

1. In Idle mode, open the application list and select **Settings** → **Accounts and sync**.
2. Select **Auto-sync**.
3. Select an account.
4. Select the applications you want to synchronize.

To exclude applications from automatic synchronization, clear the check boxes next to the applications you want.

Synchronize data manually

1. In Idle mode, open the application list and select **Settings** → **Accounts and sync**.
2. Select an account.
3. Press [▭] → **Sync now**. Your device will start synchronizing the data you set for synchronization.

Communication

Qik Video

You can make live video calls and share your videos with others online or by video mail. You can also save videos to show them to your friends and family later.

You cannot make a call when a Bluetooth headset is connected.

1. In Menu mode, select **Qik Video** → **Log in**.
2. Enter your user name and password and select **Log in**.
3. Make a video call or share your videos.

Google Mail

You can retrieve new email messages from Google Mail™ to your Inbox. When you access this application, the Inbox screen appears. The total number of unread messages displays in the title bar and unread messages display in bold. If you have labeled a message, its label appears in a colored rectangle on the message.

- This feature may be unavailable depending on your region or service provider.
- This Google Mail menu may be labeled differently depending on your service provider.

› Send an email message

1. In Idle mode, open the application list and select **Gmail**.
2. Press [▤] → **Compose**.

3 Enter a name or address in the recipient field.

4 Enter a subject and message.

5 To attach an image file, press [ ] → **Attach** → a file.

6 Select to send the message.

› View email messages

1 In Idle mode, open the application list and select **Gmail**.

2 Select an email message.

From the message view, use the following options:

- To reply to the message, select .
- To reply to the message including all recipients, select → **Reply all**.
- To forward the message to other people, select → **Forward**.
- To add a star to the message, select .
- To view an attachment, select **Preview**. To save it to your memory card, select **Download**.
- To archive the message, select **Archive**.
- To delete the message, select **Delete**.
- To move to the previous or next message, select or .

› Organize email by labels

You can organize your email by labeling your messages or adding stars to mark important messages. You can sort messages by label filter.

Add a label to a message

1 From the Inbox screen, tap and hold a message.

2 Select **Change labels**.

3 Select a label to add and select **OK**.

Add a star to a message

1. From the Inbox screen, tap and hold a message.
2. Select **Add star**. The star icon next to the message is activated.

Filter messages

1. From the Inbox screen, press [▭] → **Go to labels**.
2. Select the label of the messages you want to view.

Email

Learn to send or view email messages via your personal or company email account.

› Set up an email account

1. In Idle mode, open the application list and select **Email**.
2. Enter your email address and password.
3. Select **Next** (for general email accounts) or **Manual setup** (for other company email accounts).
4. Follow the on-screen instructions.

When you are finished setting up the email account, the email messages are downloaded to your device. If you have created more than two accounts, you can switch between email accounts; Press [▭] → **Accounts** and select one you want to retrieve messages from.

› Send an email message

1. In Idle mode, open the application list and select **Email** → an email account.
2. Press [▭] → **Compose**.

3 Select **Contacts**.

You can enter an email address manually or select one from the logs or contact groups by selecting another option.

4 Select contacts and select **Done**.

5 Select the Cc/Bcc field and add more recipients.

6 Select the subject field and enter a subject.

7 Select the text input field and enter your email text.

8 Select **Attach** and attach a file.

You can select a file from the file list or create a new photo, video, or sound.

9 Select **Send** to send the message.

If you are offline, the message will be held in the message thread list until you are online.

› View an email message

When you open an email account, you can view previously retrieved emails offline or connect to the email server to view new messages. After retrieving email messages, you can view them offline.

1 In Idle mode, open the application list and select **Email** → an email account.

2 Press [▭] → **Refresh** to update the message list.

3 Select an email message.

From the message view, use the following options:

- To reply to the message, press [▭] → **Reply**.
- To forward the message to other people, press [▭] → **Forward**.
- To delete the message, press [▭] → **Delete**.
- To move the message to another folder, press [▭] → **Move to**.

- To load images from the message, press [▭] → **Show pictures**.
- To view an attachment, select the attachment item. To save it to your memory card, select [💾].

Talk

Learn to chat with friends and family via Google Talk™.

This feature may be unavailable depending on your region or service provider.

› Add friends to your friend list

1. In Idle mode, open the application list and select **Talk**. The friend list shows all of your Google Talk contacts at a glance.
2. Press [▭] → **Add friend**.
3. Enter an email address of the friend and select **Send invitation**.

When your friend accepts the invitation, the friend is added to your friend list.

› Start a chat

1. In Idle mode, open the application list and select **Talk**.
2. Select a friend from the friend list. The chat screen opens.
3. Enter your message and select **Send**.
   To insert emoticons, press [▭] → **More** → **Insert smiley**.
4. To switch between active chats, press [▭] → **Switch chats**.
5. To end the chat, press [▭] → **End chat**.

Social Hub

Learn to access Social Hub™, the integrated communication application for email, messages, instant messages, contacts or calendar information.
Visit socialhub.samsungapps.com for more details.

1. In Idle mode, open the application list and select **Social Hub**.
2. Check and use contents delivered from Social Hub.

Entertainment

Camera

Learn how to capture and view photos and videos. You can take photos at resolutions up to 2048 x 1536 pixels (3.2 megapixels) and videos at resolutions up to 720 x 480 pixels.

- The camera interface appears only in the landscape orientation.
- Tap the screen to hide or display icons in the viewfinder.
- The camera automatically turns off when you do not use it for a specified period.
- The memory capacity may differ depending on the shooting scene or shooting conditions.

› Capture a photo

1. In Idle mode, open the application list and select **Camera**.
2. Rotate the device counterclockwise to landscape view.
3. Aim the lens at the subject and make any necessary adjustments.

Number	Function
1	Check the camera status and settings. • 8M : Resolution • : Exposure meter type • : GPS activated • 1449 : Number of photos you can take (according to available memory) • : Storage location
2	Change the flash setting; You can manually turn the flash on or off or set the camera to automatically use the flash when needed.
3	Switch between the front and rear camera lenses.
4	Change the shooting mode.
5	Adjust the exposure value.

Number	Function
6	Change the camera settings.
7	Switch to the camcorder.
8	Capture a photo.
9	View the photo you captured last.

4 Select to take a photo.
The photo is saved automatically.

After taking photos, select to view the taken photos.

- To view more photos, scroll left or right.
- To zoom in or out, tap the screen and select or . You can also double-tap the screen to zoom in or out.
- To send a photo to others, select **Share**.
- To set a photo as wallpaper or an ID image for a contact, select **Set as**.
- To delete a photo, select **Delete**.

› Capture a photo by using preset options for various scenes

Your camera provides you with predefined settings for various scenes. You can simply select the proper mode for your shooting condition and subjects.

For example, when you take photos at night, select the night mode that uses an extended exposure.

1. In Idle mode, open the application list and select **Camera**.
2. Rotate the device counterclockwise to landscape view.
3. Select → → **Scene mode** → **None** → a scene → .
4. Make any necessary adjustments.
5. Select to take a photo.

› Capture a photo in Smile shot mode

Your camera can recognize people's faces and help you take photos of their smiling faces.

1. In Idle mode, open the application list and select **Camera**.
2. Rotate the device counterclockwise to landscape view.
3. Select → **Smile shot**.
4. Make any necessary adjustments.
5. Select .
6. Aim the camera lens at your subject.

   Your device recognizes people in an image and detects their smiles. When the subject smiles, the device automatically takes a photo.

Capture a panoramic photo

You can take wide panoramic photos using Panorama shooting mode. This mode is convenient for photographing landscapes.

1. In Idle mode, open the application list and select **Camera**.
2. Rotate the device counterclockwise to landscape view.
3. Select → **Panorama**.
4. Make any necessary adjustments.
5. Select to take the first photo.
6. Slowly move the device in any direction and align the green frame with the viewfinder.

   When you have aligned the green frame and viewfinder, the camera will automatically take the next photo.
7. Repeat step 6 to complete the panoramic photo.

Capture a photo of action

You can capture shots of a moving subject and then combine them into a single photo that shows the action.

1. In Idle mode, open the application list and select **Camera**.
2. Rotate the device counterclockwise to landscape view.
3. Select → **Action shot**.
4. Make any necessary adjustments.
5. Select to capture the first photo.
6. Move the device to follow the moving subject.

   The device automatically captures the next photos.
7. Continue to follow the subject until the device has captured all the shots necessary for the action photo.

Capture a photo in Self shot mode

You can take photos of yourself conveniently using the front camera lens.

1. In Idle mode, open the application list and select **Camera**.
2. Rotate the device counterclockwise to landscape view.
3. Select .
4. Make any necessary adjustments.
5. Select to take a photo.

Customize camera settings

Before taking a photo, select → to access the following options:

Option	Function
Outdoor visibility	Activate Outdoor visibility to select an appropriate lighting condition.
Macro	Activate Macro mode to take close-up photos.
Scene mode	Change the scene mode.
Timer	Select the length of the delay before the camera takes a photo.
Resolution	Change the resolution option.
White balance	Adjust the color balance according to lighting conditions.
Effects	Apply a special effect, such as sepia or black and white tones.
Metering	Select a type of exposure meter.

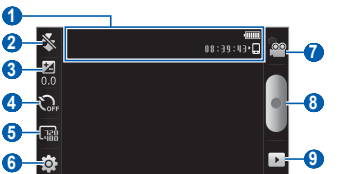
Option	Function
Image quality	Set the quality level for your photos.
Adjust	Adjust contrast, saturation, and sharpness.

Before taking a photo, select ⚙ → 👕 to access the following settings:

Setting	Function
Guidelines	Display the guidelines on the preview screen.
Review	Set the camera to display the taken image.
Shutter sound	Set the camera shutter to make a sound when capturing a photo.
Storage	Select a memory location for storing captured photos.
Reset	Reset menus and shooting options.

› Record a video

1. In Idle mode, open the application list and select **Camera**.
2. Rotate the device counterclockwise to landscape view.
3. Select 📷 to switch to the camcorder.
4. Aim the lens at the subject and make any necessary adjustments.



Number	Function
❶	Check the camcorder status and settings. • 08:39:43: Length of video that can be recorded (according to available memory) • : Storage location
❷	Turn the flash on or off.
❸	Adjust the exposure value.
❹	Select the length of the delay before the camera starts recording a video.
❺	Change the resolution option.
❻	Change the camcorder settings.
❼	Switch to the camera.
❽	Record a video.
❾	View the video you recorded last.

5 Select ● to start recording.

6 Select ■ to stop recording.
The video is saved automatically.

The camera may not be able to properly record videos to a memory card with a slow transfer speed.

After recording videos, select ▸ to view the recorded videos.

- To view more videos, scroll left or right.
- To send a video to others, select **Share**.
- To play a video, select **Play**.
- To delete a video, select **Delete**.

Customize camcorder settings

Before recording a video, select → to access the following options:

Option	Function
Outdoor visibility	Activate Outdoor visibility to select an appropriate lighting condition.
White balance	Adjust the color balance according to lighting conditions.
Effects	Apply a special effect, such as sepia or black and white tones.
Video quality	Set the quality level for your videos.
Adjust	Adjust contrast, saturation, and sharpness.

Before recording a video, select → to access the following settings:

Setting	Function
Guidelines	Display the guidelines on the preview screen.
Audio recording	Turn the audio on or off.
Review	Set the camera to display the recorded video.
Storage	Select a memory location for storing recorded videos.
Reset	Reset menus and shooting options.

Video

Learn to use the video player to play various kinds of videos. The video player supports the following file formats: 3gp, mp4, avi, wmv/asf, flv, mkv (Video Codec: MPEG-4, H.263, Sorenson Spark, H.264, VC-1, WMV 7/8, DivX®; Audio Codec: MP3, AC3, AAC, WMA).

- Some file formats are not supported depending on the software of the device.
- If the file size exceeds the available memory, an error can occur when you open files.

1 In Idle mode, open the application list and select **Video**.

2 Select a video to play.

3 Rotate the device counterclockwise to landscape view.

4 Control playback with the following icons:

Icon	Function
	Change a ratio of the video screen.
	Adjust the display brightness.
	Move to the previous file; Scan backward in a file (tap and hold).
	Pause playback; Select ▶ to resume playback.
	Move to the next file; Scan forward in a file (tap and hold).
	Adjust the volume.
	Stop playback and return to the playlist.

Gallery

Learn to view photos and play videos saved on your memory card.

› Supported file formats

Type	Format
Image	Extension: bmp, gif, jpg, png
Video	• Extension: 3gp, mp4, avi, wmv/asf, flv, mkv • Video Codec: MPEG-4, H.263, Sorenson Spark, H.264, VC-1 (WMV9), WMV 7/8, DivX® • Audio Codec: MP3, AC3, AAC, WMA

- Some file formats are not supported depending on the software of the device.
- If the file size exceeds the available memory, an error can occur when you open files.

› View a photo

1. In Idle mode, open the application list and select **Gallery**.
2. Select a folder.
3. To change the view mode, select or at the top right of the screen.
4. Select a photo (with no icon) to view.

While viewing a photo, use the following options:

- To view more photos, scroll left or right.
- To zoom in or out, select or . You can also tap the screen with two fingers and spread them apart (move your fingers closer together to zoom out).
- To start a slideshow in the selected folder, select **Slideshow**. Tap the screen to stop the slideshow.
- To send a photo to others, select **Menu** → **Share** → an option.

- To delete a photo, select **Menu** → **Delete**.
- To use additional features, select **Menu** → **More** and select one of the following options:
  - **Details**: View photo details.
  - **Set as**: Set a photo as wallpaper or a caller image for a contact.
  - **Crop**: Crop an image from a photo.
  - **Rotate left**: Rotate a photo counterclockwise.
  - **Rotate right**: Rotate a photo clockwise.

› Play a video

1. In Idle mode, open the application list and select **Gallery**.
2. Select a video (with the ▶ icon) to play.
3. Rotate the device counterclockwise to landscape view.
4. Control playback with the virtual keys.

› Share images or videos

1. In Idle mode, open the application list and select **Gallery**.
2. Select a folder.
3. Select an image or video file.
4. Press [▤] → **Share** or **Share video** → a sharing option.

Music

Learn to listen to your favorite music while on the go with the music player. The music player supports the following file formats: mp3, ogg, aac, wma, wav, flac.

- Some file formats are not supported depending on the software of the device.
- If the file size exceeds the available memory, an error can occur when you open files.

› Add music files to your device

Start by transferring files to your device or memory card:

- Download from the wireless web. ► p. 63
- Download from a PC with the optional Samsung Kies. ► p. 79
- Receive via Bluetooth. ► p. 74
- Copy to your memory card. ► p. 81
- Synchronize with Windows Media Player 11. ► p. 80

› Play music

After transferring music files to your device or memory card,

1. In Idle mode, open the application list and select **Music**.
2. Select a music category → a music file.
3. Control playback with the following keys:

Icon	Function
	Select a sound effect.
	Adjust the volume.
[1]	Activate Shuffle mode.
A-B [1]	Select a section you want to repeat.
[1]	Change the repeat mode (off, repeating all files, or repeating a file).

Icon	Function
	Move to the previous track; Scan backward in a file (tap and hold).
	Pause playback; Select ▶ to resume playback.
	Move to the next track; Scan forward in a file (tap and hold).

1. These icons are shown when you tap the player screen.

You can control playback with a headset: Press the headset button to play or pause playback. You can also press and hold the headset button to launch the music player.

Create a playlist

1. In Idle mode, open the application list and select **Music**.
2. Select a category → a music file.
3. Press [▤] → **Add to playlist** → **Create playlist**.
4. Enter a title for your new playlist and select **Save**.
5. To add more music files to the playlist, play a file and press [▤] → **Add to playlist** → the new playlist.

Customize music player settings

1. In Idle mode, open the application list and select **Music**.
2. Press [▤] → **Settings**.

3 Adjust the following settings to customize your music player:

Option	Function
SoundAlive	Select a sound effect.
Play speed	Set the playback speed of a music file.
Master EQ	Set the master equalizer.
Music menu	Select music categories to display on the music library screen.
Music play screen	Select a visualization to be displayed during playback.

FM Radio

Learn to listen to music and news on the FM radio. To listen to the FM radio, you must connect a headset, which serves as the radio antenna.

› Listen to the FM radio

1 Plug a headset into the device.

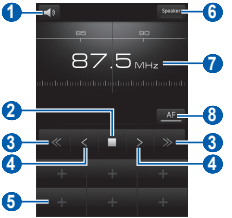
2 In Idle mode, open the application list and select **FM Radio**.

The FM radio scans and saves available stations automatically.

The first time you turn on the FM radio, it will start automatic tuning.

3 Select the radio station you want from the all station list and press [↩] to return to the FM radio screen.

4 Control the FM radio with the following keys:



Number	Function
1	Adjust the volume.
2	Turn off the FM radio; Select ▶ to turn on the FM radio.
3	Search for an available radio station.
4	Fine-tune the frequency.

Number	Function
5	Add the current radio station to the favorites list.
6	Change the sound output (headset or device's loudspeaker).
7	Change the frequency by scrolling left or right on the scale bar.
8	Set the FM radio to automatically retune frequencies for stations when the current signal is weak.

› Save a radio station automatically

1 Plug a headset into the device.

2 In Idle mode, open the application list and select **FM Radio**.

3 Select **Scan** → a scanning option.
The FM radio scans and saves available stations automatically.

4 Select the radio station you want from the all station list and press [↩] to return to the FM radio screen.

Add a radio station to the favorites list

1 Plug a headset into the device.

2 In Idle mode, open the application list and select **FM Radio**.

3 Select ▶ to turn on the FM radio.

4 Scroll to the radio station you want.

5 Select + to add to the favorites list.

Customize FM radio settings

1 In Idle mode, open the application list and select **FM Radio**.

2 Press [▤] → **Settings**.

3 Adjust the following settings to customize your FM radio:

Option	Function
Region	Select your region.
Background playing	Set whether or not to run the FM radio in the background while using other applications. If this feature is on, you can control the FM radio from the shortcuts panel.
Show Station ID	Set whether or not to show the station ID on the FM radio screen; Station IDs are available only from radio stations that provide this information.

Option	Function
Alternative frequency	Set whether or not the FM radio attempts to retune a radio station when the signal is weak.
FM auto off	Set the FM radio to automatically turn off after a specified length of time.

Personal information

Contacts

Learn to create and manage a list of your personal or business contacts. You can save names, mobile phone numbers, home phone numbers, email addresses, birthdays and more for your contacts.

› Create a contact

1 In Idle mode, open the application list and select **Contacts**.

2 Select .

3 Select a memory location.

If you have more than one account, select an account to which you want to add the contact.

4 Enter contact information.

To add a new item, select . To delete an item, select .

5 Select **Save** to add the contact to memory.

› Find a contact

1 In Idle mode, open the application list and select **Contacts**.

2 Scroll up or down on the contact list.

3 Select a contact's name.

Once you find a contact, you can:

- send an email message by selecting an email address.
- edit the contact information by pressing [ ] → **Edit**.

Create your namecard

1. In Idle mode, open the application list and select **Contacts**.
2. Press [▤] → **My profile**.
3. Enter your own personal details.
4. Select **Save**.

You can send your namecard by attaching it to an email or transferring it via the Bluetooth wireless feature.

Retrieve contacts from your community accounts

You can view the list of community website accounts and select an account to add a contact from the website to your device contacts.

1. In Idle mode, open the application list and select **Contacts**.
2. Press [▤] → **Get friends**.
3. Select an account.

Create a group of contacts

By creating groups of contacts, you can manage multiple contacts and send email to an entire group. Start by creating a group.

1. In Idle mode, open the application list and select **Contacts** → **Groups**.
2. Press [▤] → **Create**.
3. Enter a name.
4. Select **Save**.

Import or export contacts

To import contact files (in vcf format) from a memory card to your device,

1. In Idle mode, open the application list and select **Contacts**.
2. Press [▤] → **Import/Export** → **Import from Internal Memory**.
3. Select a memory location.
   If you have more than one account, select an account to which you want to add the contact.
4. Select an option for importing a single contact file, multiple contact files, or all contact files, and select **OK**.
5. Select contact files to import and select **OK**.

To export contacts from your device to a memory card,

1. In Idle mode, open the application list and select **Contacts**.
2. Press [▤] → **Import/Export** → **Export to Internal Memory**.
3. Select **OK** to confirm.

View social network activities

You can view the recent activities of contacts in social network services, such as Facebook, MySpace, and Twitter.

In Idle mode, open the application list and select **Contacts** → **Activities**.

Calendar

Learn to create and manage daily, weekly or monthly events, and set alarms to remind yourself of important events.

› Create an event

1. In Idle mode, open the application list and select **Calendar**.
2. Press [▤] → **Create**.
3. Enter the details of the event as required.
4. Select **Save**.

› View events

To change the calendar view,

1. In Idle mode, open the application list and select **Calendar**.
2. Select a view mode from the top of the calendar.

To view events of a specific date,

1. In Idle mode, open the application list and select **Calendar**.
2. Select a date on the calendar. In month view, days with scheduled events are indicated by a small triangle.

   To move to a specific day by entering a date manually, press [▤] → **Go to**, enter the date by selecting + or -, and select **Set**.

   To select today's date, press [▤] → **Today**.

3 Select an event to view its details.

You can send the event to others by pressing [▤] → **Send via** → an option.

› Stop an event alarm

If you set an alarm for a calendar event, the event alarm icon will appear at the specified time.

1 Open the shortcuts panel from the top of the screen.

2 Select a reminder to view more details about the event.

3 To snooze or dismiss the reminder, select **Snooze all** or **Dismiss all**.

Memo

Learn to record important information to save and view at a later date.

› Create a memo

1 In Idle mode, open the application list and select **Memo**.

2 Select **Create memo** or press [▤] → **Create**.

3 Enter your memo text.

4 Press [↩] to hide the keypad.

5 Select a color to change a background color.

6 Select **Save**.

› View memos

1. In Idle mode, open the application list and select **Memo**.
2. Select a memo to view its details.

You can send the memo to others by tapping and holding the memo and selecting **Send via** → an option.

Voice Recorder

Learn to operate your device's voice recorder.

› Record a voice memo

1. In Idle mode, open the application list and select **Voice Recorder**.
2. Select **Record** to start recording.
3. Speak into the microphone.
4. When you are finished recording a memo, select **Stop**. Your memo is saved automatically.
5. To record more voice memos, select **Record** from the bottom of the screen.

› Play a voice memo

1. In Idle mode, open the application list and select **Voice Recorder**.
2. Select **List**.
3. Select a voice memo to play.

You can send the voice memo to others by pressing [▤] → **Share**.

Web

Web services require a data connection. Contact your operator to choose the best data plan.

Internet

Learn to access and bookmark your favorite web pages.

- The web browser menu may be labeled differently depending on your service provider.
- Available icons may vary depending on your region or service provider.

› Browse web pages

1. In Idle mode, open the application list and select **Internet** to launch a specified homepage.

   To access a specific web page, select the URL input field, enter the web address of the web page, and select [→].

2. Navigate web pages with the following keys:

Number	Function
1	Enter the web address of a web page to access.
2	Open a list of saved bookmarks, frequently visited pages and recent internet history.

The screen may differ depending on your region or service provider.

While browsing the web page, use the following options:

- To zoom in or out, double-tap the screen. You can also use the two finger zoom; Place your two fingers on the screen and slowly pinch or spread apart.
- To open a new window, press [▭] → **New window**.
- To view the currently active windows, press [▭] → **Windows**. You can open multiple pages and switch back and forth between them.
- To adjust the brightness of the screen, press [▭] → **Brightness setting**. This feature may be unavailable depending on your region.
- To reload the current web page, press [▭] → **Refresh**.
- To go to the next page in history, press [▭] → **Forward**.
- To bookmark the current web page, press [▭] → **More** → **Add bookmark**.
- To add a shortcut to the current web page to the idle screen, press [▭] → **More** → **Add shortcut to Home**.
- To add the RSS feed, press [▭] → **More** → **Add RSS feeds**.
- To search for text on the web page, press [▭] → **More** → **Find on page**.
- To view web page details, press [▭] → **More** → **Page info**.
- To send the web address of the web page to others, press [▭] → **More** → **Share page**.

- To view the download history, press [▭] → **More** → **Downloads**.
- To customize browser settings, press [▭] → **More** → **Settings**.

› Bookmark your favorite web pages

If you know the web address of a web page, you can manually add a bookmark. To add a bookmark,

1. In Idle mode, open the application list and select **Internet**.
2. Select ★ → **Bookmarks**.
3. Select **Add** or press [▭] → **Bookmark last-viewed page**.
4. Enter a page title and a web address.
5. Select **OK**.

From the bookmark list, tap and hold a bookmark and use the following options:

- To open the web page in the current window, select **Open**.
- To open the web page in a new window, select **Open in new window**.
- To edit the bookmark details, select **Edit bookmark**.
- To add the bookmark shortcut to the idle screen, select **Add shortcut to Home**.
- To send the web address of the web page to others, select **Share link**.
- To copy the web address of the web page, select **Copy link URL**.
- To delete the bookmark, select **Delete bookmark**.
- To use the web page as your homepage of the browser, select **Set as homepage**.

› Access the frequently visited pages or the recent history

1. In Idle mode, open the application list and select **Internet**.
2. Select → **Most visited** or **History**.
3. Select a web page to access.

You can add a web page to the bookmark list by selecting the star icon on the right.

Maps

Learn to use Google Maps™ to find your location, search the map for streets, cities, or countries, and get directions.

To receive better GPS signals, avoid using your device in the following conditions:

- between buildings, in tunnels or underground passages, or inside buildings
- in poor weather
- around high voltage or electromagnetic fields

Do not touch the internal antenna area or cover this area with your hands or other objects while using the GPS functions.

- This feature may be unavailable depending on your region or service provider.
- Before using location services, ensure that the wireless connection is active.

› Activate location services to use with Google Maps

You must activate location services to find your location and search the map.

1 In Idle mode, open the application list and select **Settings** → **Location and security**.

2 Adjust the following settings to activate location services:

Option	Function
Use wireless networks	Set to use WLAN and/or mobile networks for finding your location.
Use GPS satellites	Set to use the GPS satellite for finding your location.
Use sensor aiding	Use sensors to enhance pedestrian positioning when the GPS signal is obstructed. There may be variations between the sensor estimates and your actual location.

› Search for a specific location

1 In Idle mode, open the application list and select **Maps**.

The map will display your current location.

2 If you are launching this application for the first time, select **OK** to confirm.

3 Press [▭] → **Search** or select 🔍.

4 Enter a keyword for the location and select 🔍.

- To search for a place around you, select 📍.
- To zoom in or out, select ⊖ or ⊕.
- To add layers to the map, select 🗂.
- To view your current location, select ◎.

To add a star to the location, select the balloon of the location name → ☆.

› Get directions to a specific destination

1. In Idle mode, open the application list and select **Maps**.
2. Press [▭] → **Directions**.
3. Enter the addresses of the starting location and the ending location.

   To enter an address from your contact list or point the location on the map, select ▯ → **Contacts** or **Point on map**.
4. Select a travel method (car, bus, or walk) and select **Go**.
5. Select a travel route to view details of your trip (if necessary).
6. Select **Show on map**.
7. When you are finished, press [▭] → **Clear Map**.

Latitude

Learn to share your location with your friends and view friends' locations via Google Latitude™.

- This feature may be unavailable depending on your region or service provider.
- Before using location services, ensure that the wireless connection is active.

1. In Idle mode, open the application list and select **Latitude**.

   The device automatically joins Latitude.
2. Press [▭] → **Add friends** → **Select from Contacts** or **Add via email address**.
3. Select friends you want to add or enter an email address, and select **Add friends** → **Yes**.

   When your friend accepts your invitation, you can share locations.

4 Press [▤] → **See map**.
Your friends' locations are marked with their photos on the map.

Places

Learn to search for a place around you.

- This feature may be unavailable depending on your region or service provider.
- Before using location services, ensure that the wireless connection is active.

1 In Idle mode, open the application list and select **Places**.

2 Select a category.
Your device searches for places around your current location that are related to the category.

3 Select a place name to view its details.
To view the place on the map, select .

Navigation

Learn to use the GPS navigation system to find and show your destination with voice guidance.

- This feature may be unavailable depending on your region or service provider.
- Before using location services, ensure that the wireless connection is active.

1 In Idle mode, open the application list and select **Navigation**.

2 If you are launching this application for the first time, select **Accept**.

3 Enter your destination by using one of the following methods:

- **Speak Destination**: Speak your destination such as "Navigate to *destination*."
- **Type Destination**: Enter your destination with the virtual keypad.
- **Contacts**: Select your destination from addresses of your contacts.
- **Starred Places**: Select your destination from the list of your starred places.

4 Select **Install** to use voice-guided navigation.

5 To end the navigation, press [▭] → **Exit Navigation**.

Google Search

You can search for applications in your device and specific data on the web.

1 In Idle mode, open the application list and select **Google Search**.

2 Enter a letter or a word of the data to search.

3 Select the item's name you want to access.

YouTube

Learn to view and upload videos via YouTube.

This feature may be unavailable depending on your region or service provider.

Watch videos

1. In Idle mode, open the application list and select **YouTube**.
2. Select **Accept** to confirm, if you are launching this application for the first time.
3. Select a video from the list.
4. Rotate the device counterclockwise to landscape view.
5. Control playback with the following keys:

Number	Function
1	Move to a point of the file by dragging the bar.
2	Change the quality of the display.

Upload videos

1. In Idle mode, open the application list and select **YouTube**.
2. Press [▤] → **Upload** and select a video. Skip to 8.
   If you want to upload new videos, select 📹 to turn on the camera.
3. Rotate the device counterclockwise to landscape view.
4. Aim the lens at the subject and make any adjustments.
5. Select ● to start recording.

6 Select ■ to stop recording.

7 Select **Save** to upload the video that you have recorded.

8 Enter your user name and password and select **Sign in**.

Samsung Apps

Samsung Apps allows you to simply and easily download an abundance of applications directly to your device. Featuring a wealth of games, news, reference, social networking, navigation, health related applications and more, Samsung Apps gives you instant access to a huge choice of mobile experience.

Your device gets smarter with fully optimized applications from Samsung Apps. Explore amazing applications and make your mobile life even better.

- The feature may be unavailable depending on your region or service provider.
- For details, please visit www.samsungapps.com.

1 In Idle mode, open the application list and select **Samsung Apps**.

2 Search for and download applications as desired.

Market

You can download games or other applications from the Android Market.

This feature may be unavailable depending on your region or service provider.

1 In Idle mode, open the application list and select **Market**.

2 Search for a file and download it to the device. ► p. 31

Connectivity

Bluetooth

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 10 m without requiring a physical connection.

You do not need to line up the devices to beam information with Bluetooth. If the devices are within range of one another, you can exchange information between them even if they are located in different rooms.

- Samsung is not responsible for the loss, interception, or misuse of data sent or received via the Bluetooth wireless feature.
- Always ensure that you share and receive data with devices that are trusted and properly secured. If there are obstacles between the devices, the operating distance may be reduced.
- Some devices, especially those that are not tested or approved by Bluetooth SIG, may be incompatible with your device.

› Turn on the Bluetooth wireless feature

1. In Idle mode, open the application list and select **Settings** → **Wireless and network** → **Bluetooth settings**.
2. Select **Bluetooth** to turn on the Bluetooth wireless feature.

Find and pair with other Bluetooth-enabled devices

1. In Idle mode, open the application list and select **Settings** → **Wireless and network** → **Bluetooth settings** → **Scan devices**.
2. Select a device.
3. Enter a PIN for the Bluetooth wireless feature or the other device's Bluetooth PIN, if it has one, and select **OK**. Alternatively, select **Accept** to match the PIN between your device and the device.

   When the owner of the other device enters the same PIN or accepts the connection, pairing is complete. If the pairing is successful, the device will automatically search for available services.

Some devices, especially headsets or hands-free car kits, may have a fixed Bluetooth PIN, such as 0000. If the other device has a PIN, you must enter it.

Send data using the Bluetooth wireless feature

1. Select a file or item, such as a contact, memo, or media file, from an appropriate application or **My Files**.
2. Press [▤] → **Share**, **Send via**, or **Send namecard via** → **Bluetooth**.
3. Search for and pair with a Bluetooth-enabled device.

Receive data using the Bluetooth wireless feature

1. In Idle mode, open the application list and select **Settings** → **Wireless and network** → **Bluetooth settings** → **Visible**.

   Your device is visible to other Bluetooth devices for 120 seconds.

2 When prompted, enter the PIN for the Bluetooth wireless feature and select **OK** (if necessary).

3 Select **Accept** to confirm that you are willing to receive data from the device (if necessary).

Received data is saved to the bluetooth folder.

Wi-Fi

Learn to use your device's wireless networking capabilities to activate and connect to any wireless local area network (WLAN) compatible with the IEEE 802.11 b/g/n standards.

You can connect to the internet or other network devices anywhere an access point or wireless hotspot is available.

Your device uses non-harmonized frequency and is intended for use in all European countries. The WLAN can be operated in the EU without restriction indoors, but cannot be operated outdoors in France.

› Activate the WLAN feature

In Idle mode, open the application list and select **Settings** → **Wireless and network** → **Wi-Fi settings** → **Wi-Fi**.

An active WLAN running in the background will consume battery power. To preserve battery power, activate the WLAN only when needed.

› Find and connect to a WLAN

1 In Idle mode, open the application list and select **Settings** → **Wireless and network** → **Wi-Fi settings**.

The device will automatically search for available WLANs.

2 Select a network under **Wi-Fi networks**.

3 Enter a password for the network (if necessary).

4 Select **Connect**.

Add a WLAN manually

1. In Idle mode, open the application list and select **Settings** → **Wireless and network** → **Wi-Fi settings** → **Add Wi-Fi network**.
2. Enter the SSID for the network and select the security type.
3. Set the security settings depending on the selected security type.
4. Select **Save**.

Connect to a WLAN using a Wi-Fi Protected Setup (WPS)

Using WPS, you can connect to a secured network.
To connect to a WLAN with a WPS button,

1. In Idle mode, open the application list and select **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Select **WPS button connection**.
3. Press a WPS button on the access point within 2 minutes.

To connect to a WLAN with a WPS PIN,

1. In Idle mode, open the application list and select **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Select a network indicated by the WPS icon and select **WPS PIN**.
3. On the access point, enter the PIN and press the start button.

AllShare

Learn to use the Digital Living Network Alliance (DLNA) service that enables you to share media files between DLNA-enabled devices in your home over a WLAN.

You must first activate the WLAN feature and add a WLAN profile. ► p. 75

› Customize DLNA settings for sharing media files

To allow other DLNA-enabled devices to access media files on your device, you must activate media sharing.

Some files may not play on the DLNA-enabled devices depending on the devices.

1 In Idle mode, open the application list and select **AllShare**.

2 Select **Settings**.

3 Adjust the following settings to customize the DLNA feature:

Option	Function
Media server name	Enter a name for your device as a media server.
Share media	Turn on video sharing, image sharing or music sharing with other DLNA-enabled devices.
Access point network	Select a connection profile to use for DLNA connections.
Upload from other devices	Set whether or not to accept the upload from other devices.
Default memory	Select the default memory location for saving downloaded media files.

Play your files on another DLNA-enabled device

1. In Idle mode, open the application list and select **AllShare**.
2. Select **Play file from my device on another player**.
3. Select a media category → a file.
4. Select **Add to playlist**.
5. Select a player—the one that will play the media file. Playback begins at the selected player.
6. Control playback using icons of your device.

Playback may be buffered, depending on the network connection and the connected server.

Play others' files on your device

1. In Idle mode, open the application list and select **AllShare**.
2. Select **Play file from server on my device**.
   Your device automatically searches for DLNA-enabled devices.
3. Select a device as the media server—the one that contains media files.
4. Select a media category and a file.
5. Select **Add to playlist**.
6. Control playback using icons of your device.

› Play files of one device on the other device

1. In Idle mode, open the application list and select **AllShare**.
2. Select **Play file from server on another player via my device**.

   Your device automatically searches for DLNA-enabled devices.
3. Select a device as the media server—the one that contains media files.
4. Select a media category and a file.
5. Select **Add to playlist**.
6. Select a player—the one that will play the media file.

   Playback begins at the selected player.
7. Control playback using icons of your device.

PC connections

Learn to connect your device to a PC with a PC data cable in various USB connection modes. By connecting the device to a PC, you can synchronise files with Windows Media Player, transfer data to and from your device directly, and use the Samsung Kies program.

› Connect with Samsung Kies

Ensure that Samsung Kies is installed on your PC. You can download the program from the Samsung website (www.samsung.com/kies).

1. In Idle mode, open the application list and select **Settings** → **Wireless and network** → **USB settings** → **Samsung Kies**.
2. Press the Home key to return to Idle mode.

3 Using a PC data cable, connect the multifunction jack on your device to a PC.

Samsung Kies will launch automatically.

If Samsung Kies does not automatically launch, double-click the Samsung Kies icon on your PC.

4 Copy files from the PC to the device.

Refer to the Samsung Kies help for more information.

› Synchronize with Windows Media Player

Ensure that Windows Media Player is installed on your PC.

1 In Idle mode, open the application list and select **Settings** → **Wireless and network** → **USB settings** → **Media player**.

2 Press the Home key to return to Idle mode.

3 Using an optional PC data cable, connect the multifunction jack on your device to a PC with Windows Media Player installed.

When connected, a pop-up window will appear on the PC.

4 Open Windows Media Player to synchronize music files.

5 Edit or enter your device's name in the pop-up window (if necessary).

6 Select and drag the music files you want to the sync list.

7 Start synchronization.

› Connect as a mass storage device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the file directory of the memory card by using the device as a memory card reader.

The file directory of the memory card will appear as a removable disk, separate from the internal memory.

1. If you want to transfer files from or to a memory card, insert a memory card into the device.
2. In Idle mode, open the application list and select **Settings** → **Wireless and network** → **USB settings** → **Mass storage**.
3. Using a PC data cable, connect the multifunction jack on your device to a PC.
4. When connected, select **Connect USB storage**.
5. Open the folder to view files.
6. Copy files from the PC to the device or memory card.
7. When you are finished, select **Turn Off**.

To disconnect the device from the PC, click the USB device icon on the Windows task bar and click the option to safely remove the mass storage device. Then remove the PC data cable from the PC. Otherwise, you may lose data stored on the memory card or damage the memory card.

VPN connections

You can create virtual private networks (VPN) and connect to your private network securely through a public network, such as the internet.

Your device should already be configured with internet access. If you have trouble accessing the internet, you need to edit connections. If you are not sure about the connection information to enter, ask your service provider.

Set up VPN connections

1. In Idle mode, open the application list and select **Settings** → **Wireless and network** → **VPN settings** → **Add VPN**.
2. Select a VPN type.
3. Customize the connection information.

Available options may vary depending on the VPN type.

Option	Function
VPN name	Enter a name of the VPN server.
Set VPN server	Enter the IP address of the VPN server.
Enable Encryption	Set to encrypt the VPN server.
Set IPsec pre-shared key	Enter a pre-shared key.
Enable L2TP secret	Set to use the L2TP secret password.
Set L2TP secret	Enter the L2TP secret password.
Set user certificate	Select a user certificate that the VPN server uses to identify you. You can import certificates from the VPN server or download from the web.

Option	Function
Set CA certificate	Select a certificate authority (CA) certificate that the VPN server uses to identify you. You can import certificates from the VPN server or download from the web.
DNS search domains	Enter the domain name server (DNS) address.

4 Press [▭] → **Save**.

› Connect to a private network

1 In Idle mode, open the application list and select **Settings** → **Wireless and network** → **VPN settings**.

2 Select a private network to connect.

3 Enter the user name and password and select **Connect**.

Tools

Alarm/Clock

Learn to set and control alarms, and world clocks. You can also use the stopwatch and count-down timer.

› Set a new alarm

1. In Idle mode, open the application list and select **Alarm/Clock** → **Alarm**.
2. Select **Create alarm** or press [▭] → **Create**.
3. Set alarm details.
4. When you are finished, select **Save**.

› Stop an alarm

When the alarm sounds,

- To stop the alarm, drag ⏻ right until it reaches the dot.
- To repeat the alarm after a specified length of time, drag zZ left until it reaches the dot.

› Delete an alarm

1. In Idle mode, open the application list and select **Alarm/Clock** → **Alarm**.
2. Press [▭] → **Delete**.
3. Select alarms to delete.
4. Select **Delete**.

Create a world clock

1. In Idle mode, open the application list and select **Alarm/Clock** → **World clock**.
2. Select **Add city** or press [▤] → **Add**.
3. Enter a city name or select one from the city list.
   To select a city in the world map view, select .
4. To add more world clocks, repeat steps 2-3.

To apply the daylight saving time to the clocks, tap and hold a clock and select **DST settings**.

Use the stopwatch

1. In Idle mode, open the application list and select **Alarm/Clock** → **Stopwatch**.
2. Select **Start** to begin the stopwatch.
3. Select **Lap** to record lap times.
4. When you are finished, select **Stop**.
5. Select **Reset** to clear recorded times.

Use the count-down timer

1. In Idle mode, open the application list and select **Alarm/Clock** → **Timer**.
2. Set the length of time to count down.
3. Select **Start** to begin the countdown.
   You can now use other functions with the timer counting down in the background. Press the Home key or [⮌] and access another application.
4. When the timer expires, drag right until it reaches the dot.

Calculator

Learn to perform mathematical calculations directly on your device like a typical hand-held or desktop calculator.

› Perform the calculation

1. In Idle mode, open the application list and select **Calculator**.
2. Use the keys that correspond to the calculator display to perform basic mathematical operations.

Rotate the device counterclockwise to landscape view to use the scientific calculator. If you deactivate the auto rotation, press [▤] → **Scientific calculator**.

› View the calculation history

1. In Idle mode, open the application list and select **Calculator**.
2. Perform the calculation.
3. Select ▼ to close the calculator keypad. The calculation history appears.
4. To clear the history, press [▤] → **Clear history**.

Mini Diary

Learn to keep a photo diary.

› Create a Mini diary

1. In Idle mode, open the application list and select **Mini Diary**.
2. If there is a diary saved, select **Create diary** to create a new entry.
3. Change the today's date and set the weather (if necessary).
4. Select **Tap to add photo** and add an image or capture a photo.
5. Select **Tap to create memo**, enter text, and select **Done**.
6. Select **Save**.

› View a Mini diary

1. In Idle mode, open the application list and select **Mini Diary**.
2. Select a diary.

To upload a mini diary to your community website, press [▤] → **Publish**.

My Files

Learn to quickly and easily access all of your images, videos, music, sound clips, and other types of files stored in your device and memory card.

1. In Idle mode, open the application list and select **My Files**.

2 Select a folder.
   - To move up one level in the file directory, select **Up**.
   - To return to the Home directory, select **Home**.

3 Select a file to open.

In a folder, press [▭] to use the following options:

- To send a file to others via email or the Bluetooth wireless feature, select **Share**.
- To create a new folder, select **Create folder**.
- To delete files or folders, select **Delete**.
- To change the view mode, select **View by**.
- To sort files or folders, select **List by**.
- To use additional features using a file, such as moving, copying or renaming option, select **More**.

Task manager

With the task manager, you can view currently running applications, package size of applications, and memory information, and monitor the RAM memory.

1 In Idle mode, open the application list and select **Task manager**.

2 Use the following options:
   - **Active applications**: View the list of all the applications currently running on your device.
   - **Downloaded**: View the total amount of memory used for applications installed on your device.
   - **RAM**: Check and manage the RAM memory for your device.
   - **Storage**: View the used and available memory on your device and memory card.
   - **Help**: View help information about extending battery life.

ThinkFree Office

Learn to create and view document files on your device. If you have an account with the ThinkFree web service, you can manage documents online. This application supports the following file formats: txt, doc, docx, xls, xlsx, ppt, pptx, pdf.

› Create a new document

1. In Idle mode, open the application list and select **ThinkFree Office**.
2. Select **Accept** to confirm, if you are launching this application for the first time.
3. Select **Activate now** → **Close** to activate ThinkFree Office.
4. Select **My Docs**.
5. Press [▤] → **New** → a document type.
6. Enter a name for the document and select **OK**.
7. Enter contents in the document by using the tools at the bottom of the screen.
8. When you are finished editing, select 💾 on the toolbar or press [▤] → **File** → **Save**.

› View and edit a document on your device

1. In Idle mode, open the application list and select **ThinkFree Office**.
2. Select **My Docs** → a document.
3. View and edit the document as desired.
   - To zoom in or out, use the two finger zoom; Place your two fingers on the screen and slowly pinch or spread apart.

- To open the toolbar to edit the document (word, text, or excel file), press [▭] → **Edit**.
- To search for text in the document, press [▭] → **Find**.

4 When you are finished editing, save the document.

› Manage documents online

1 In Idle mode, open the application list and select **ThinkFree Office**.

2 Select **Online**.

3 Enter your user name and password to access your account, and then select **Sign in**.

4 View and manage your documents on the server as desired.

Voice Search

Learn to use the voice command feature to search for locations and information by voice.

This feature may be unavailable depending on your region or service provider.

1 In Idle mode, open the application list and select **Voice Search**.

2 Select **Speak now**.

3 Say a command into the microphone.

To watch the video tutorial, select **Watch a video** from the help screen.

Settings

Access the Settings menu

1. In Idle mode, open the application list and select **Settings**.
2. Select a setting category and select an option.

Wireless and network

Change the settings for wireless network connections.

› Flight mode

Disable all wireless functions on your device. You can use only non-network services.

› Wi-Fi settings

- **Wi-Fi**: Turn the WLAN feature on or off. ► p. 75
- **Network notification**: Set the device to notify you when an open network is available.
- **WPS button connection**: Connect to a WLAN using a Wi-Fi Protected Setup (WPS) button.
- **Add Wi-Fi network**: Add WLAN APs manually.

› Bluetooth settings

- **Bluetooth**: Turn the Bluetooth wireless feature on or off. ► p. 73
- **Device name**: Set a Bluetooth name for your device.
- **Visible**: Set your device to be visible to other Bluetooth devices.
- **Scan devices**: Search for available Bluetooth devices.

› VPN settings

Set up and connect to virtual private networks (VPNs). ► p. 81

› USB settings

Activate various USB connection modes when you connect your device to a PC. ► p. 79

Sound

Change the settings for various sounds on your device.

- **Silent mode**: Activate the silent mode to mute all sounds except media sounds and alarm ringtones.
- **Level optimizer**: Set the volume of media files to even level.
- **Vibrate**: Set when the device will vibrate for various events.
- **Volume**: Adjust the volume level for call ringtones, music and videos, system sound, and notification ringtones.
- **Notification sound**: Select a ringtone to alert you to events, such as incoming messages and calendar events.
- **Audible selection**: Set the device to sound when you select an application or option.
- **Screen lock sounds**: Set the device to sound when you lock or unlock the touch screen.
- **Haptic feedback**: Set the device to vibrate when you touch the keys.
- **Vibration intensity**: Adjust the vibration intensity of the haptic feedback.

Display

Change the settings for the display.

- **Font style**: Change the font type for the display text. You can download fonts from Android Market by selecting **Get fonts online**.

- **Brightness**: Set the brightness of the display.
- **Auto-rotate screen**: Set whether or not to rotate the content automatically when the device is rotated.
- **Animation**: Set the device to display animation when you switch between windows.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.
- **Power saving mode**: Activate Power saving mode. In Power saving mode, the device saves power by adjusting the white balance on the display and the brightness level.
- **Horizontal calibration**: Calibrate the accelerometer to adjust the horizontal axis of the device for better motion recognition.

Location and security

Change the settings for securing your device and GPS functionality.

- **Use wireless networks**: Set to use WLAN for finding your location.
- **Use GPS satellites**: Set to use the GPS satellite for finding your location.
- **Use sensor aiding**: Set to use sensors to enhance pedestrian positioning when the GPS signal is obstructed. There may be variations between the sensor estimates and your actual location.
- **Set screen lock**: Set the unlock security code. When you have set your security code, this option changes to **Change screen lock**.
  - **None**: Disable the screen lock.
  - **Pattern**: Set an unlock pattern to unlock the screen.
  - **Password**: Set a password (alphanumeric) to unlock the screen.

- **Visible passwords**: Set the device to display your password as you enter.
- **Select device administrators**: View device administrators installed on your device. You can activate device administrators to apply new policies to your device.
- **Use secure credentials**: Use certificates and credentials to ensure secure use of various applications.
- **Install encrypted certificates from SD card**: Install encrypted certificates that are stored on a memory card.
- **Set password**: Create and confirm a password for accessing credentials.
- **Clear storage**: Erase the credential contents from the device and reset the password.

Applications

Change the settings for managing installed applications.

- **Unknown sources**: Select to download applications from any source. If you do not select this option, you can download applications only from Android Market.
- **Manage applications**: Access the list of the applications installed on the device and check the application information.
- **Running services**: View the services you are using and access them to manage.
- **Development**:
  - **USB debugging**: Select to connect your device into a PC by using a PC data cable. This is for application development.
  - **Allow mock locations**: Allow mock locations and service information to be sent to a Location Manager service for testing. This is for application development.

- **Samsung Apps**: Set to receive notifications for new applications from Samsung Apps.

This feature may be unavailable depending on your region or service provider.

Accounts and sync

Change the settings for the auto sync feature or manage accounts for synchronization.

- **Background data**: Select this setting to use the auto sync feature. The auto sync will run in the background without opening applications and synchronize data.
- **Auto-sync**: Set the device to synchronize contact, calendar, and email data automatically.

Privacy

Change the settings for managing your settings and data.

- **Back up my data**: Back up your device's settings to the Google server.
- **Automatic restore**: Set the device to restore applications' data you backed up when they are installed in your device.
- **Factory data reset**: Reset your settings to the factory default values and delete all your data.

SD card and device storage

Check memory information of memory cards and your device, and format a memory card.

Locale and text

Change the settings for text input.

› Select locale

Select a display language for all menus and applications.

› Select input method

Select a default keyboard type for text input.

› DioPen Chinese IME

- **Vibrate on keypress**: Set the device to vibrate when you touch a key.
- **Sound on keypress**: Set the device to sound when you touch a key.
- **Show suggestions**: Set the device to display suggestions while you are entering text.
- **Detail settings**: Customize the settings for the DioPen Chinese IME keypad, such as word suggestion, spell check, and auto space when **Show suggestions** is selected.
- **Recognize delay time**: Select a recognition time for Handwriting mode.
- **Pen thickness**: Select a line thickness for Handwriting mode.
- **Pen colour**: Select a line color for Handwriting mode.
- **Use Fuzzy**: Set the device to use the Fuzzy settings.
- **Fuzzy settings**: Customize the Fuzzy settings.
- **About**: View DioPen Chinese IME information.

› Samsung keypad

- **Keypad types**: Select the default input method, such as the QWERTY keyboard, 3x4 keypad, or handwriting screen.

- **Writing language**: Select languages for text input.

  You cannot enter text in some languages. To enter text, you should change the writing language to one of the supported languages.
- **XT9**: Activate XT9 mode to enter text using Predictive input mode.
- **XT9 advanced settings**: Activate the advanced features of XT9 mode, such as auto completion, auto correction, or auto substitution, and set up your own word list.
- **Keypad sweeping**: Enable or disable the keypad sweeping feature for the text input mode. You can switch between input modes by scrolling left or right on the keypad.
- **Auto-capitalization**: Set the device to automatically capitalize the first letter after a final punctuation mark, such as a period, question mark, or exclamation mark.
- **Handwriting settings**: Customize the recognition time in Handwriting mode.
- **Tutorial**: Learn how to enter text with the Samsung keypad.

Voice input and output

Change the settings for the voice recognizer and the text-to-speech feature.

› Voice recognition settings

- **Language**: Select a language for the Google voice recognition.
- **SafeSearch**: Set the device to filter explicit text and/or images from voice search results.
- **Block offensive words**: Hide offensive words your device recognized from voice search results.
- **Show hints**: Set to show a suggested term or phrase for the voice search feature.

› Text-to-speech settings

- **Listen to an example**: Listen to the spoken text for an example. Install voice data for using the text-to-speech feature.

- **Always use my settings**: Set the device to use the settings you specify in applications rather than the default settings.
- **Default engine**: Set the speech synthesis engine to be used for spoken text.
- **Install voice data**: Download and install voice data for the text-to-speech feature.
- **Speech rate**: Select a speed for the text-to-speech feature.
- **Language**: Select a language for the text-to-speech feature.
- **Engines**: View the text-to-speech engines downloaded from Android Market.

Accessibility

Change the settings for accessibility features.

- **Accessibility**: Activate an accessibility application you have downloaded, such as Talkback or Kickback, which provides voice, melody, or vibration feedback.

Date and time

Access and alter the following settings to control how time and date are displayed on your device:

- **Set date**: Set the current date manually.
- **Select time zone**: Set your home time zone.
- **Set time**: Set the current time manually.
- **Use 24-hour format**: Set to the time to be displayed in 24-hour format.
- **Select date format**: Select a date format.

About device

Access information about your device and check the device's status.

Troubleshooting

Your device displays network or service error messages

- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.
- You cannot access some options without a subscription. Contact your service provider for more details.

The touch screen responds slowly or improperly

If your device has a touch screen and the touch screen is not responding properly, try the following:

- Remove any protective covers from the touch screen. Protective covers may prevent the device from recognizing your inputs and are not recommended for touch screen devices.
- Ensure that your hands are clean and dry when tapping the touch screen.
- Restart your device to clear any temporary software bugs.
- Ensure that your device software is upgraded to the latest version.
- If the touch screen is scratched or damaged, take it to your local Samsung Service Center.

Your device freezes or has fatal errors

If your device freezes or hangs, you may need to close programs or reset the device to regain functionality. If your device is frozen and unresponsive, press and hold [⏻] for 8-10 seconds. The device will reboot automatically.

If this does not solve the problem, perform a factory data reset. In Idle mode, open the application list and select **Settings** → **Privacy** → **Factory data reset** → **Device Reset** → **Erase everything**.

The device beeps and the battery icon flashes

Your battery is low. Recharge or replace the battery to continue using the device.

The battery does not charge properly or the device turns off

- The battery terminals may be dirty. Wipe both gold-colored contacts with a clean, soft cloth and try charging the battery again.
- If the battery will no longer charge completely, dispose of the old battery properly and replace it with a new battery (refer to your local ordinances for proper disposal instructions).

Your device is hot if touched

When you use applications that require more power or use applications on your device for an extended period of time, your device may feel hot if touched. This is normal and should not affect your device's lifespan or performance.

Error messages appear when launching the camera

Your Samsung mobile device must have sufficient memory and battery power available to operate the camera application. If you receive error messages when launching the camera, try the following:

- Charge the battery or replace it with a battery that is fully charged.
- Free some memory by transferring files to a PC or deleting files from your device.
- Restart the device. If you are still having trouble with the camera application after trying these tips, contact a Samsung Service Center.

Error messages appear when launching the FM radio

The FM radio application on your Samsung mobile device uses the headset cable as an antenna. Without a headset connected, the FM radio will be unable to receive radio stations. To use the FM radio, first ensure that the headset is properly connected. Next, scan for and save the available radio stations.

If you still cannot use the FM radio after performing these steps, try accessing your desired station with another radio receiver. If you can hear the station with another receiver, your device may require service. Contact a Samsung Service Center.

Error messages appear when opening music files

Some music files may not play on your Samsung mobile device for a number of reasons. If you receive error messages when opening music files on your device, try the following:

- Free some memory by transferring files to a PC or deleting files from your device.
- Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRM-protected, ensure that you have the appropriate license or key to play the file.
- Ensure that your device supports the file type.

Another Bluetooth device is not located

- Ensure that the Bluetooth wireless feature is activated on your device.
- Ensure that the Bluetooth wireless feature is activated on the device you wish to connect to, if necessary.
- Ensure that your device and the other Bluetooth device are within the maximum Bluetooth range (10 m).

If the tips above do not solve the problem, contact a Samsung Service Center.

A connection is not established when you connect the device to a PC

- Ensure that the PC data cable you are using is compatible with your device.
- Ensure that you have the proper drivers installed and updated on your PC.

Safety precautions

To prevent injury and damage to yourself, to others and to the device, read all of the following information before using your device.

Warning: To prevent electric shock, fire, and explosion

Do not use damaged power cords or plugs, or loose electrical sockets

Do not touch your device and the power cord with wet hands

Do not bend or damage the power cord

Do not use your device while charging and do not disconnect the charger by just pulling the cords

Do not short-circuit the charger or the battery

Do not drop or cause an impact to the charger or the battery

Do not charge the battery with chargers that are not approved by the manufacturer

Do not use your device during a thunderstorm

Your device may malfunction and your risk of electric shock is increased.

Do not handle a damaged or leaking Lithium Ion (Li-Ion) battery

For safe disposal of your Li-Ion batteries, contact your nearest authorized service center.

Handle and dispose of batteries and chargers with care

- Use only Samsung-approved batteries and chargers specifically designed for your device. Incompatible batteries and chargers can cause serious injuries or damage to your device.
- Never dispose of batteries or devices in a fire. Follow all local regulations when disposing of used batteries or devices.
- Never place batteries or devices on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated.
- Never crush or puncture the battery. Avoid exposing the battery to high external pressure, which can lead to an internal short circuit and overheating.

Protect the device, batteries, and chargers from damage

- Avoid exposing your device and batteries to very cold or very hot temperatures.
- Extreme temperatures can cause the deformation of the device and reduce the charging capacity and life of your device and batteries.
- Prevent batteries from contacting metal objects, as this can create a connection between the + and – terminals of your batteries and lead to temporary or permanent battery damage.
- Never use a damaged charger or battery.

Caution: Follow all safety warnings and regulations when using your device in restricted areas

Turn off your device where prohibited

Comply with all regulations that restrict the use of a mobile device in a particular area.

Do not use your device near other electronic devices

Most electronic devices use radio frequency signals. Your device may interfere with other electronic devices.

Do not use your device near a pacemaker

- Avoid using your device within a 15 cm range of a pacemaker if possible, as your device can interfere with the pacemaker.
- If you must use your device, keep at least 15 cm away from the pacemaker.
- To minimize the possible interference with a pacemaker, use your device on the opposite side of your body from the pacemaker.

Do not use your device in a hospital or near medical equipment that can be interfered with by radio frequency

If you personally use any medical equipment, contact the manufacturer of the equipment to ensure the safety of your equipment from radio frequency.

If you are using a hearing aid, contact the manufacturer for information about radio interference

Some hearing aids may be interfered with by the radio frequency of your device. Contact the manufacturer to ensure the safety of your hearing aid.

Turn off the device in potentially explosive environments

- Turn off your device in potentially explosive environments instead of removing the battery.
- Always comply with regulations, instructions and signs in potentially explosive environments.

- Do not use your device at refueling points (service stations), near fuels or chemicals, and at blasting areas.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

Turn off your device when in an aircraft

Using your device in an aircraft is illegal. Your device may interfere with the electronic navigation instruments of the aircraft.

Electronic devices in a motor vehicle may malfunction due to the radio frequency of your device

Electronic devices in your car may malfunction due to radio frequency of your device. Contact the manufacturer for more information.

Comply with all safety warnings and regulations regarding mobile device usage while operating a vehicle

While driving, safely operating the vehicle is your first responsibility. Never use your mobile device while driving, if it is prohibited by law. For your safety and the safety of others, practice good common sense and remember the following tips:

- Use a hands-free device.
- Do not take notes or look up phone numbers. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility of driving safely.

Proper care and use of your mobile device

Keep your device dry

- Humidity and all types of liquids may damage device parts or electronic circuits.
- When wet, remove the battery without turning on your device. Dry your device with a towel and take it to a service center.
- Liquids will change the color of the label that indicates water damage inside the device. Water damage to your device can void your manufacturer's warranty.

Do not use or store your device in dusty, dirty areas

Dust can cause your device to malfunction.

Do not store your device on slopes

If your device falls, it can be damaged.

Do not store your device in hot or cold areas. Use your device at -20 °C to 50 °C

- Your device may explode if left inside a closed vehicle, as the inside temperature can reach up to 80 °C.
- Do not expose your device to direct sunlight for extended periods of time (such as on the dashboard of a car).
- Store the battery at 0 °C to 40 °C.

Do not store your device with such metal objects as coins, keys and necklaces

- Your device may become deformed or malfunction.
- If the battery terminals are in contact with metal objects, it may cause a fire.

Do not store your device near magnetic fields

- Your device may malfunction or the battery may discharge from exposure to magnetic fields.
- Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.
- Do not use carrying cases or accessories with magnetic closures or allow your device to come in contact with magnetic fields for extended periods of time.

Do not store your device near or in heaters, microwaves, hot cooking equipment, or high pressure containers

- The battery may leak.
- Your device may overheat and cause a fire.

Do not drop your device or cause impacts to your device

- The screen of your device may be damaged.
- If bent or deformed, your device may be damaged or parts may malfunction.

Do not use a flash directly to the eyes of people or pets

Using a flash directly to the eyes may cause temporary loss of vision or damage to the eyes.

Ensure maximum battery and charger life

- Avoid charging batteries for more than a week, as overcharging may shorten battery life.
- Over time, unused batteries will discharge and must be recharged before use.
- Disconnect chargers from power sources when not in use.
- Use batteries only for their intended purposes.

Use manufacturer-approved batteries, chargers, accessories and supplies

- Using generic batteries or chargers may shorten the life of your device or cause the device to malfunction.
- Samsung cannot be responsible for the user's safety when using accessories or supplies that are not approved by Samsung.

Do not bite or suck on the device or the battery

- Doing so may damage the device or cause explosion.
- If children use the device, make sure that they use the device properly.

When using the device:

- Speak directly into the microphone.
- Avoid contact with your device's internal antenna. Touching the antenna may cause the device to transmit more radio frequency than necessary.
- Hold the device with a relaxed grip, press the keys lightly, use special features that reduce the number of keys you have to press (such as predictive text), and take frequent breaks.

Protect your hearing

- Excessive exposure to loud sounds can cause hearing damage.
- Exposure to loud sounds while driving may distract your attention and cause an accident.
- Always turn the volume down before plugging the earphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.

Be cautious when using the device while walking or moving

Always be aware of your surroundings to avoid injury to yourself or others.

Do not carry your device in your back pockets or around your waist

You can be injured or damage the device if you fall.

Do not disassemble, modify, or repair your device

- Any changes or modifications to your device can void your manufacturer's warranty. For service, take your device to a Samsung Service Center.
- Do not disassemble or puncture the battery, as this can cause explosion or fire.

Do not paint or put stickers on your device

Paint and stickers can clog moving parts and prevent proper operation. If you are allergic to paint or metal parts of the product, you may experience itching, eczema, or swelling of the skin. When this happens, stop using the product and consult your physician.

When cleaning your device:

- Wipe your device or charger with a towel or a rubber.
- Clean the terminals of the battery with a cotton ball or a towel.
- Do not use chemicals or detergents.

Do not use the device if the screen is cracked or broken

Broken glass or acrylic could cause injury to your hands and face. Take the device to a Samsung Service Center to have it repaired.

Do not use the device for anything other than its intended use

Avoid disturbing others when using the device in public

Do not allow children to use your device

Your device is not a toy. Do not allow children to play with it as they could hurt themselves and others, or damage the device.

Install mobile devices and equipment with caution

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Avoid placing your device and accessories near or in an air bag deployment area. Improperly installed wireless equipment can cause serious injury when air bags inflate rapidly.

Allow only qualified personnel to service your device

Allowing non-qualified personnel to service your device may result in damage to your device and will void your manufacturer's warranty.

Handle memory cards with care

- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Do not touch gold-colored contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.

Be sure to back up important data

Samsung is not responsible for data loss.

Do not distribute copyright-protected material

Do not distribute copyright-protected material that you have recorded to others without the permission of the content owners. Doing this may violate copyright laws. The manufacturer is not liable for any legal issues caused by the user's illegal use of copyrighted material.

Specific Absorption Rate (SAR) certification information

Your device conforms to European Union (EU) standards that limit human exposure to radio frequency (RF) energy emitted by radio and telecommunications equipment. These standards prevent the sale of mobile devices that exceed a maximum exposure level (known as the Specific Absorption Rate, or SAR) of 2.0 W/kg.

During testing, the maximum SAR recorded for this model was 0.03 W/kg. In normal use, the actual SAR is likely to be much lower, as the device has been designed to emit only the RF energy necessary to transmit a signal to the nearest base station. By automatically emitting lower levels when possible, your device reduces your overall exposure to RF energy.

For more information about the SAR and related EU standards, visit the Samsung website.

Correct disposal of this product

(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

> The rechargeable battery incorporated in this product is not user replaceable. For information on its replacement, please contact your service provider.

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Some contents in this manual may differ from your device depending on the software of the device or your service provider.

To install Kies (PC Sync) Kies

1. Download the latest version of Kies from the Samsung website (**www.samsung.com/kies**) and install it on your PC.
2. In Idle mode, open the application list and select **Settings** → **Wireless and network** → **USB settings** → **Samsung Kies**.
3. Using a PC data cable, connect your device to your PC. Refer to the Kies help for more information.